

2011-08-12 Friday Morning Notes

Friday, August 12, 2011

7:44 AM

Operational Notes

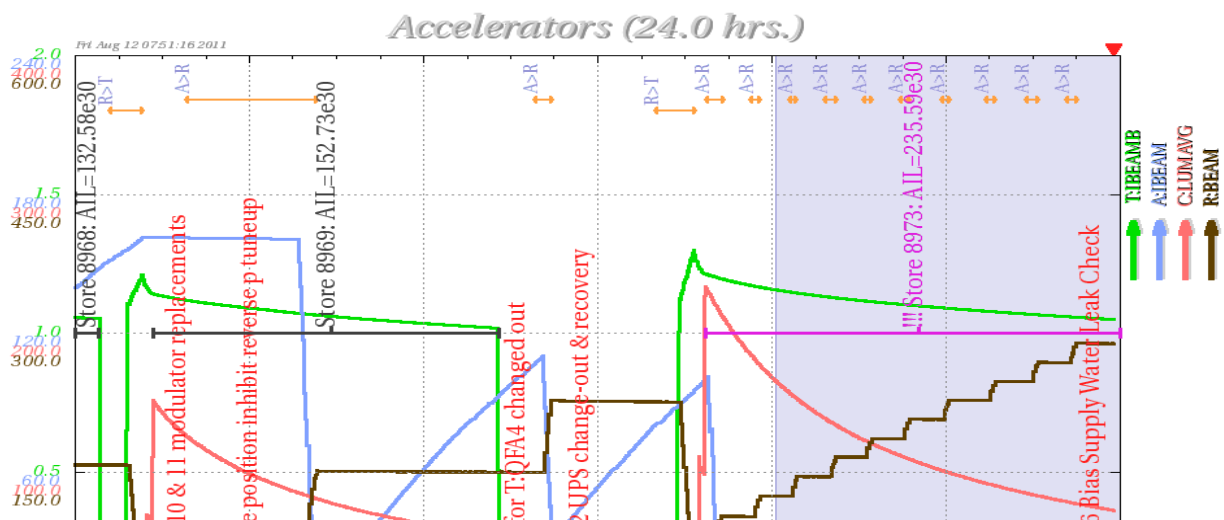
MI52 Kicker output varies, causing orbit distortions in the P1 line during stacking and transfers!

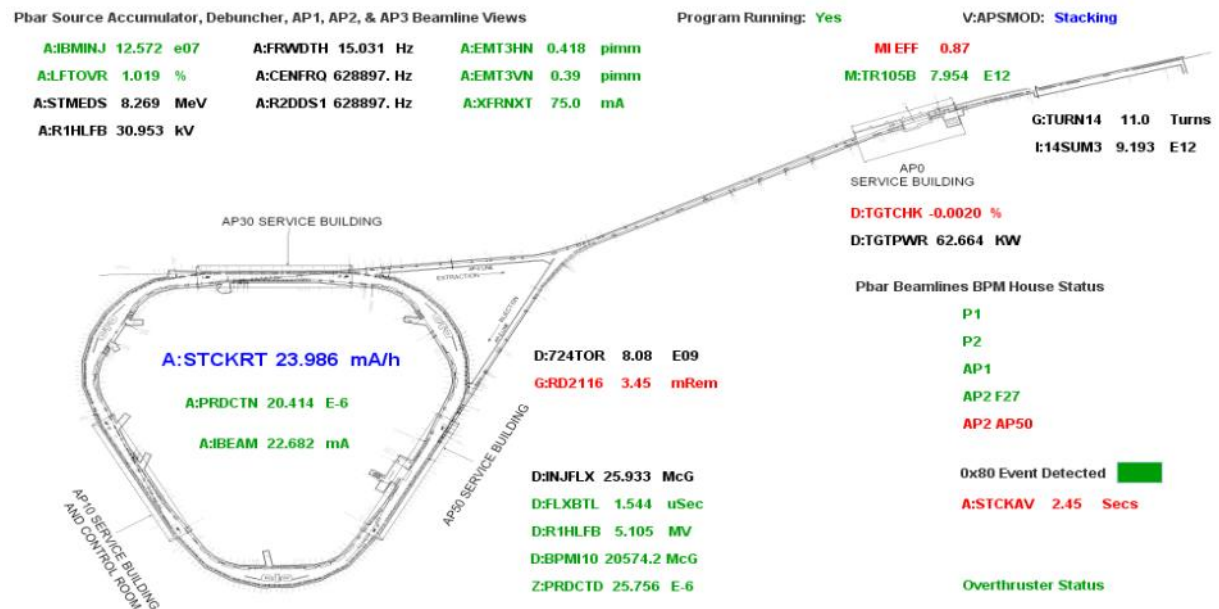
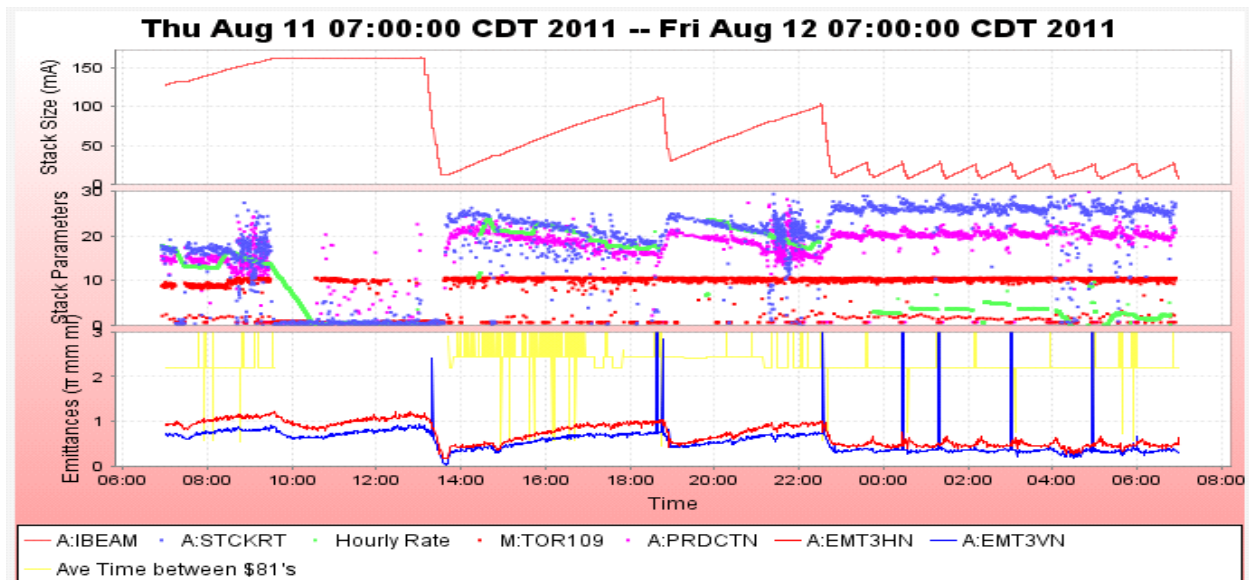
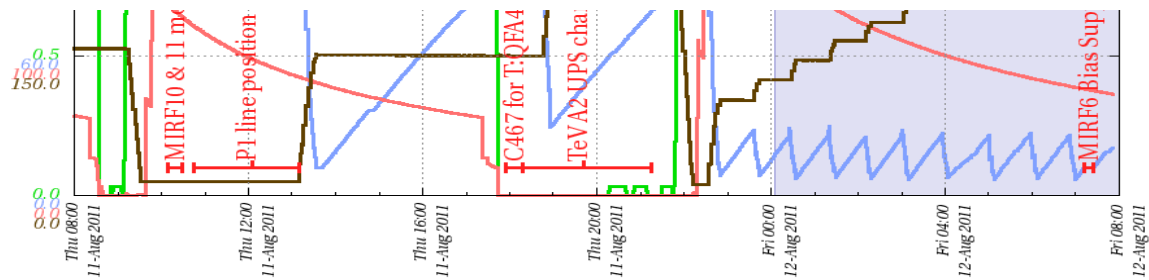
Ecool came back online on the evening shift

Numbers

- Stacking
 - Pbars stacked: 419.65 E10
 - Time stacking: 22.67 Hr
 - Average stacking rate: 18.52 E10/Hr
- Uptime
 - Number of pulses while in stacking mode: 30040
 - Number of pulses with beam: 28544
 - Fraction of up pulses was: 95.02%
- The uptime's effect on the stacking numbers
 - Corrected time stacking: 21.54 Hr
 - Possible average stacking rate: 19.49 E10/Hr
 - Could have stacked: 441.65 E10/Hr
- Recycler Transfers
 - Pbars sent to the Recycler: 528.87 E10
 - Number of transfers : 45
 - Number of transfer sets: 13
 - Average Number of transfer per set: 3.46
 - Time taken to shoot including reverse proton tuneup: 00.16 Hr
 - Transfer efficiency: 94.53%
- Other Info
 - Average POT : 7.92 E12
 - Average production: 18.56 pbars/E6 protons

Plots





Horizontal Area New	10.35	Intensity
Horizontal Area Calc	183.54	Intensity
Horizontal Sigma New	3.21	mm
Horizontal Sigma Calc	3.03	mm
Horizontal Mean	22.83	mm
Vertical Area New	10.87	Intensity
Vertical Area Calc	187.93	Intensity
Vertical Sigma New	3.25	mm
Vertical Sigma Calc	3.05	mm
Vertical Mean	7.61	mm

